

ABSTRACT

A projection display device D includes an acquiring means 2 that acquires a pixel value C_g and a depth value C_z for each of a plurality of pixels constituting an image, a light output means 3 that outputs pixel display light L_d per pixel according to the pixel value, a light guide body 5 that guides the pixel display light L_d to a position corresponding to the pixel on a projection surface 8, and changes the light path length of the pixel display light L_d to the projection surface 8 according to the depth value C_z of the pixel. The light guide body 5 includes a reflector 51 that has mirror surfaces 511a opposing each other. The light path length control means 3 changes the number of times the pixel display light is reflected by the mirror surfaces 511a of the reflector 51 according to the depth value C_z of the pixel.